

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/980,644
Source: EFW16
Date Processed by STIC: 06/30/2005

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 06/30/2005

PATENT APPLICATION: US/09/980,644

TIME: 10:22:38

Input Set : A:\Sequence Listing 6277US.ST25.txt

Output Set: N:\CRF4\06302005\I980644.raw

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3 <110> APPLICANT: Universtiy of Utah Research Foundation
4     Bessereau, Jean-Louis
5     Jorgensen, Erik
7 <120> TITLE OF INVENTION: Method of Transposon-Mediated Mutagenesis in the Nematode
8     Caenorhabditis Elegans
10 <130> FILE REFERENCE: 0274-6277.1US
12 <140> CURRENT APPLICATION NUMBER: US 09/980,644
13 <141> CURRENT FILING DATE: 2001-11-01
15 <150> PRIOR APPLICATION NUMBER: PCT/US00/40091
16 <151> PRIOR FILING DATE: 2000-06-01
18 <150> PRIOR APPLICATION NUMBER: US 60/136,972
19 <151> PRIOR FILING DATE: 1999-06-01
21 <160> NUMBER OF SEQ ID NOS: 43
23 <170> SOFTWARE: PatentIn version 3.2
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 26
27 <212> TYPE: DNA
28 <213> ORGANISM: Artificial
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Primer oJL102
33 <400> SEQUENCE: 1
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37 <210> SEQ ID NO: 2
38 <211> LENGTH: 23
39 <212> TYPE: DNA
40 <213> ORGANISM: Artificial
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Primer oJL104
45 <400> SEQUENCE: 2
46 acaaagagcg aacgcagacg agt                                       23
49 <210> SEQ ID NO: 3
50 <211> LENGTH: 25
51 <212> TYPE: DNA
52 <213> ORGANISM: Artificial
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Primer oJL103
57 <400> SEQUENCE: 3
58 tctgcgagtt gtttttgcgt ttgag                                     25
61 <210> SEQ ID NO: 4
62 <211> LENGTH: 18
63 <212> TYPE: DNA
64 <213> ORGANISM: Artificial
66 <220> FEATURE:

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67 <223> OTHER INFORMATION: Primer oJL88
69 <400> SEQUENCE: 4
70 cgcattgcggc ttactcac 18
73 <210> SEQ ID NO: 5
74 <211> LENGTH: 22
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Primer oJL89
81 <400> SEQUENCE: 5
82 ggcccatcc gattaccacc ta 22
85 <210> SEQ ID NO: 6
86 <211> LENGTH: 21
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Primer oJL19
93 <400> SEQUENCE: 6
94 gcgaaacgca taccaactgt a 21
97 <210> SEQ ID NO: 7
98 <211> LENGTH: 21
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Primer oJL20
105 <400> SEQUENCE: 7
106 ttcattgccga aaagcaggcg t 21
109 <210> SEQ ID NO: 8
110 <211> LENGTH: 21
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Primer oJL132
117 <400> SEQUENCE: 8
118 atatgcggtg cgatgggtga g 21
121 <210> SEQ ID NO: 9
122 <211> LENGTH: 22
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Primer oJL133
129 <400> SEQUENCE: 9
130 ggccaacgcg atgagaagaa ag 22
133 <210> SEQ ID NO: 10
134 <211> LENGTH: 26
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial
138 <220> FEATURE:
139 <223> OTHER INFORMATION: Primer oJL114

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141 <400> SEQUENCE: 10
142 aaagattcag aaggtcggta gatggg                26
145 <210> SEQ ID NO: 11
146 <211> LENGTH: 22
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Primer oJL115
153 <400> SEQUENCE: 11
154 gctcaattcg cgccaaacta tg                    22
157 <210> SEQ ID NO: 12
158 <211> LENGTH: 24
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Primer oJL116
165 <400> SEQUENCE: 12
166 gaacgagaga ggcagatgga gagg                24
169 <210> SEQ ID NO: 13
170 <211> LENGTH: 21
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Primer oJL129
177 <400> SEQUENCE: 13
178 ccaaatgcgt ctgtcccact c                    21
181 <210> SEQ ID NO: 14
182 <211> LENGTH: 24
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Primer oJL149
189 <400> SEQUENCE: 14
190 aagtatggcc aaacgacccg acac                24
193 <210> SEQ ID NO: 15
194 <211> LENGTH: 23
195 <212> TYPE: DNA
196 <213> ORGANISM: Artificial
198 <220> FEATURE:
199 <223> OTHER INFORMATION: primer oJL150
201 <400> SEQUENCE: 15
202 gcattggcac ctttctccct tct                23
205 <210> SEQ ID NO: 16
206 <211> LENGTH: 21
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial
210 <220> FEATURE:
211 <223> OTHER INFORMATION: primer oJL145
213 <400> SEQUENCE: 16

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214 acaggcagca ttttgtagtc t                                     21
217 <210> SEQ ID NO: 17
218 <211> LENGTH: 24
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial
222 <220> FEATURE:
223 <223> OTHER INFORMATION: primer oJL148
225 <400> SEQUENCE: 17
226 aggcctgcctc gtaagttcct acag                                24
229 <210> SEQ ID NO: 18
230 <211> LENGTH: 51
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial
234 <220> FEATURE:
235 <223> OTHER INFORMATION: artificial intron
237 <400> SEQUENCE: 18
238 gtaagtttaa acatatatac taactaacc atggattatt taaattttca g    51
241 <210> SEQ ID NO: 19
242 <211> LENGTH: 26
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial
246 <220> FEATURE:
247 <223> OTHER INFORMATION: primer oJL21
249 <400> SEQUENCE: 19
250 cgaagcttgc tggacggaaa tagtgg                                26
253 <210> SEQ ID NO: 20
254 <211> LENGTH: 26
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial
258 <220> FEATURE:
259 <223> OTHER INFORMATION: primer oJL22
261 <400> SEQUENCE: 20
262 cgacgcgttc ttgaagtta gagaat                                26
265 <210> SEQ ID NO: 21
266 <211> LENGTH: 34
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial
270 <220> FEATURE:
271 <223> OTHER INFORMATION: primer oJL77
273 <400> SEQUENCE: 21
274 gcacgcgtta tgctgagttt cgtgccgaat aaag                      34
277 <210> SEQ ID NO: 22
278 <211> LENGTH: 49
279 <212> TYPE: DNA
280 <213> ORGANISM: Artificial
282 <220> FEATURE:
283 <223> OTHER INFORMATION: primer oJL78
285 <400> SEQUENCE: 22
286 gcgctagcta ttcaaagtat ttgccgtcgc tcgcgacaca tttttccca    49

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289 <210> SEQ ID NO: 23
290 <211> LENGTH: 347
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial
294 <220> FEATURE:
295 <223> OTHER INFORMATION: inverse PCR product
297 <400> SEQUENCE: 23
298 cagtcaaggt tgacacttac aaggtcaaag ttttatgaca atcgataaat atttacgttt      60
300 gcgagacatc tatatgttcg aaccgacatt ccctacttgt acacctggta aatgaaaagct      120
302 ggtgacgtgg agattacgtc cccgtaaaaa ttattgcgaa atatgcaacg gtggccgaga      180
304 aaatccgcga ccccgtcgac ccagacacgg ttgattctcc agtgacggtc gatcaacaaa      240
306 aaagatccat ttttcatctc cagtaacgat acgatgcaaa aacgacttcc ttttgtatcg      300
308 tgaaagcaaa atttcgcatg tgtttttgcg cctctccatc tgccctct      347
311 <210> SEQ ID NO: 24
312 <211> LENGTH: 1058
313 <212> TYPE: DNA
314 <213> ORGANISM: Drosophila mauritiana
316 <400> SEQUENCE: 24
317 gcagtcaaca tgtcgagttt cgtgccgaat aaagagcaaaa cgcggacagt attaatTTTT      60
319 tgttttcatt tgaagaaaac agctgcggaa tcgcaccgaa tgcttggtga agcctttggc      120
321 gaacaagtac caactgtgaa aacgtgtgaa cgggtggtttc aacgcttcaa aagtgggtgat      180
323 tttgacgtcg acgacaaaga gcacggaaaa ccgcaaaaaa ggtacgaaga cgccgaactg      240
325 caagcattat tggatgaaga cgatgctcaa acgcaaaaac aactcgcaga gcagttggaa      300
327 gtaagtcaac aagcagtttc caatcgcttg cgagagatgg gaaagattca gaaggtcggg      360
329 agatgggtgc cacatgagtt gaacgagagg cagatggaga ggcgcaaaaa cacatgcgaa      420
331 attttgcttt cagatataca aaggaagtcg tttttgcatc gtatcgttac tggagatgaa      480
333 aaatggatct tttttgttaa tcctaaacgt aaaaagtcac acgttgatcc tggacaaccg      540
335 gccacatcga ctgctcgacc gaatcgcttt ggcaagaaga cgatgctctg tgtttggtgg      600
337 gatcagagcg gtgtcattta ctatgagctc ttgaaacccg gcgaaacggg gaatacggca      660
339 cgctaccaac aacaattgat caatttgaac cgtgcgcttc agagaaaacg accggaatat      720
341 caaaaaagac aacacagggg catttttctc catgacaacg ctccatcaca tacggcaaga      780
343 gcggttcgcg acacgttgga aacactcaat tgggaagtgc ttccgcatgc ggcttactca      840
345 ccagacctgg ccccatccga ttaccaccta ttcgcttcga tgggacacgc actcgctgag      900
347 cagcgcttcg attcttacga aagtgtgaaa aaatggctcg atgaatgggt cgccgcaaaa      960
349 gacgatgagt tctactggcg tggaatccac aaattgcccg agagatggga aaaatgtgta      1020
351 gctagcgacg gcaataactt tgaataaatg attttttc      1058
354 <210> SEQ ID NO: 25
355 <211> LENGTH: 345
356 <212> TYPE: PRT
357 <213> ORGANISM: Drosophila mauritiana
359 <400> SEQUENCE: 25
361 Met Ser Ser Phe Val Pro Asn Lys Glu Gln Thr Arg Thr Val Leu Ile
362 1          5          10          15
365 Phe Cys Phe His Leu Lys Lys Thr Ala Ala Glu Ser His Arg Met Leu
366          20          25          30
369 Val Glu Ala Phe Gly Glu Gln Val Pro Thr Val Lys Thr Cys Glu Arg
370          35          40          45
373 Trp Phe Gln Arg Phe Lys Ser Gly Asp Phe Asp Val Asp Asp Lys Glu
374          50          55          60

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RAW SEQUENCE LISTING ERROR SUMMARY
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,26,27,28,29

Seq#:30,31,32,33,34,35,36,37,38,39,40,41,42,43

VERIFICATION SUMMARY

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